TITLE: RECORDING MEDIUM FOR STORING DEFECT MANAGEMENT ...
INVENTORS: Jung-wan KO
SERIAL NO.:
DOCKET NO.: 1293.1066D2C2

FIG. 1

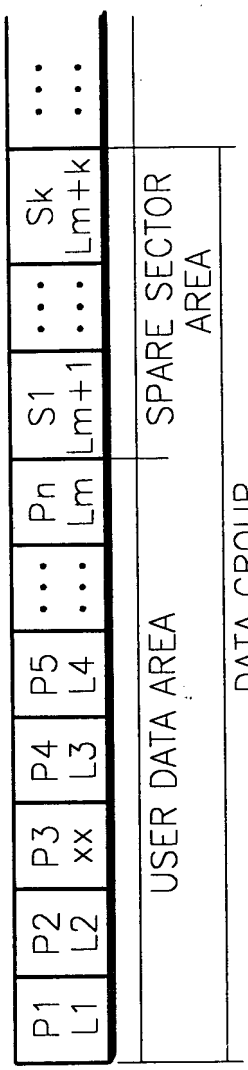

FIG. 2

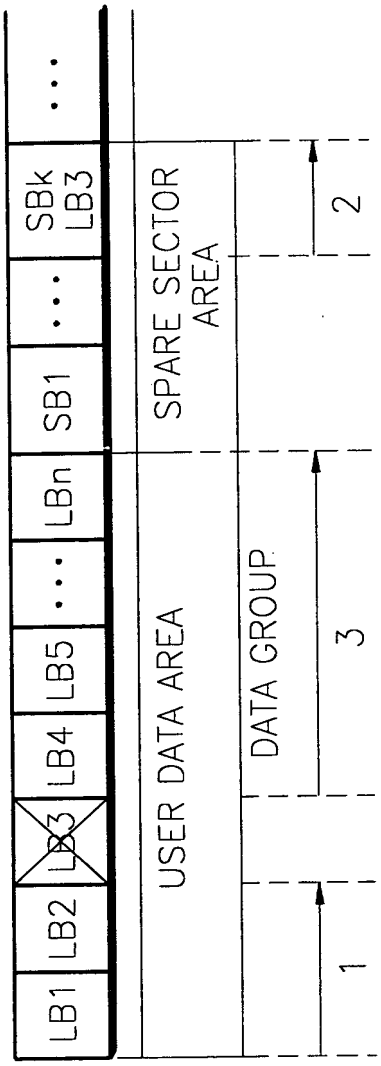

FIG. 3

BP	Contents	Number of bytes
0 to 1	DDS Identifier(OAOAh)	2bytes
2	Reserved	1byte
3	Disc certification Flag	1byte
4 to 7	DDS/PDL, update counter	4bytes
8 to 9	Number of Groups	2bytes
10 to 15	Reserved	6bytes
16	Group certification for Group0	
17	Group certification for Group1	
. . .	. . .	
39	Group certification for Group23	
40 to 79	Reserved	64bytes
80 to 2047	Reserved	1968bytes

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FIG. 4A

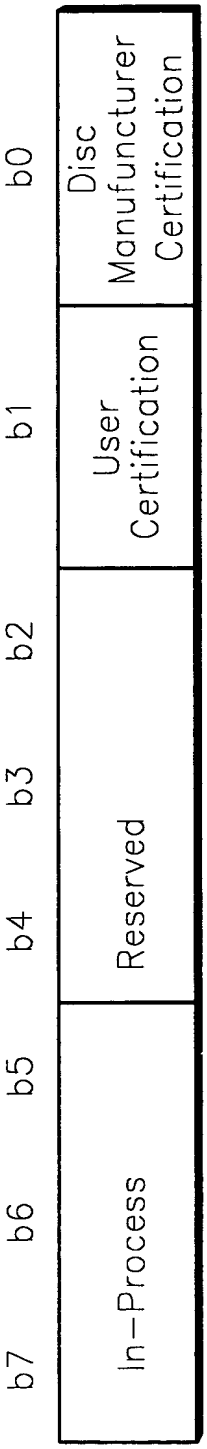
b7
b6
b5
b4
b3
b2
b1
b0
In-Process
Reserved
User Certification
Disc Manufuncturer Certification

FIG. 4B

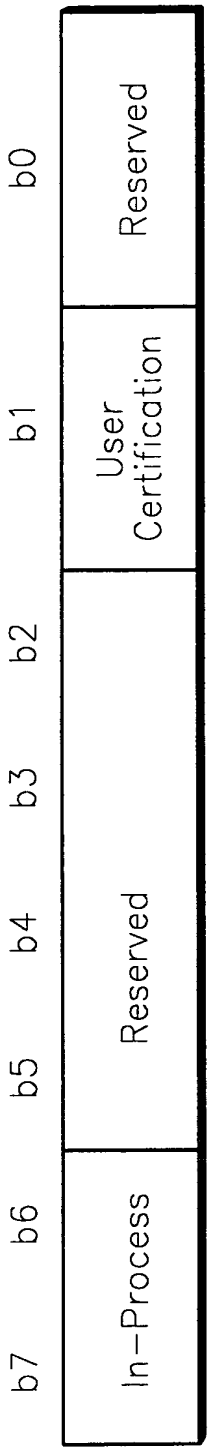
b7
b6
b5
b4
b3
b2
b1
b0
In-Process
Reserved
User Certification
Reserved

FIG. 5

BP	Contents	Number of bytes
0 to 1	SDL Identifier(0002h)	2bytes
2 to 3	Reserved	2bytes
4 to 7	SDL update counter	4bytes
8 to 15	Spare area full flag	8bytes
16 to 19	DDS/PDL, update counter	4bytes
20 to 21	Reserved	2bytes
22 to 23	number of SDL entries	2bytes
24 to 31	first SDL entry	8bytes
. . .	. . .	. . .
m to m+7	last SDL entry	8bytes

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FIG. 6

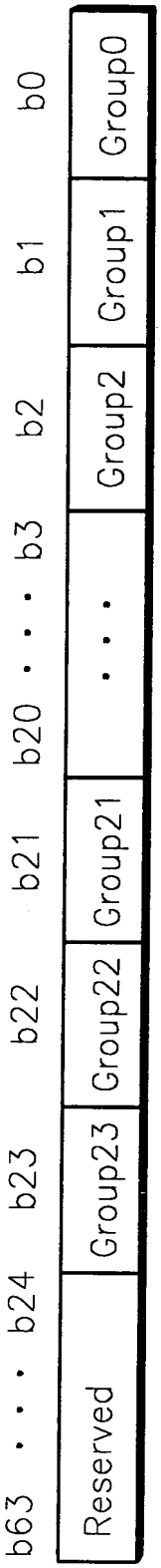


FIG. 7

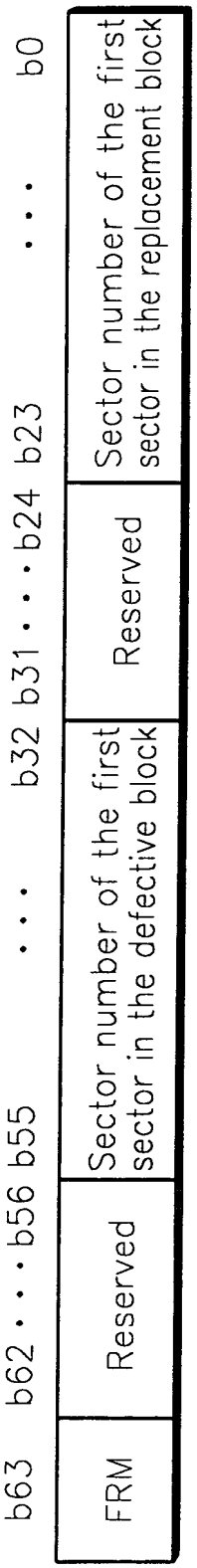


FIG. 8A

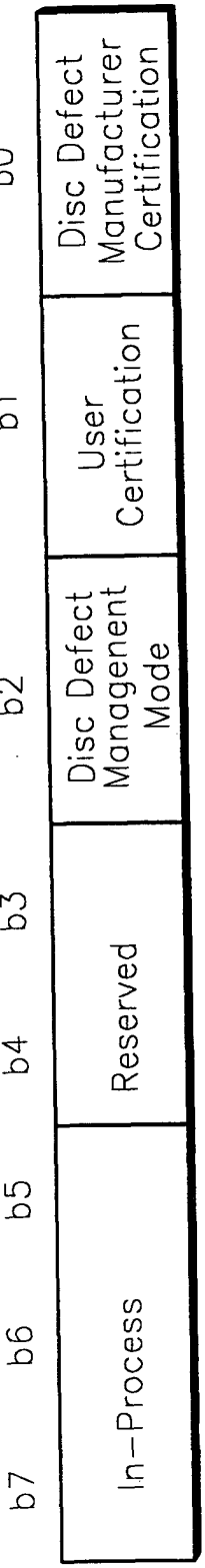
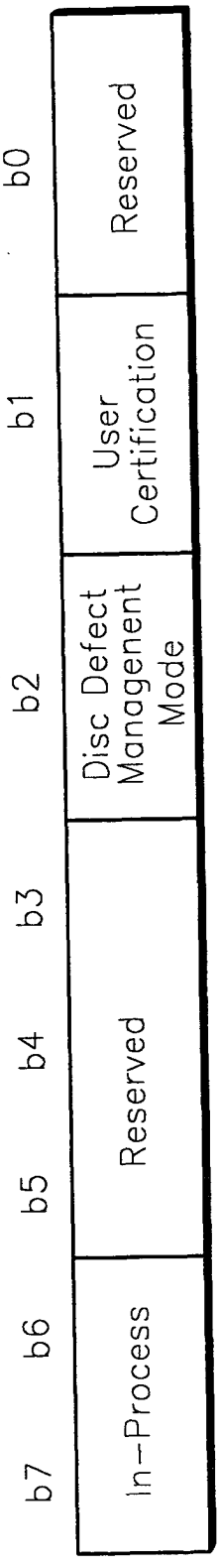

b7
b6
b5
b4
b3
b2
b1
b0
In-Process
Reserved
Disc Defect Managenent Mode
User Certification
Disc Defect Manufacturer Certification

FIG. 8B


b7
b6
b5
b4
b3
b2
b1
b0
In-Process
Reserved
Disc Defect Managenent Mode
User Certification
Reserved

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DOCKET NO.: 1293.1066D2C2

FIG. 9

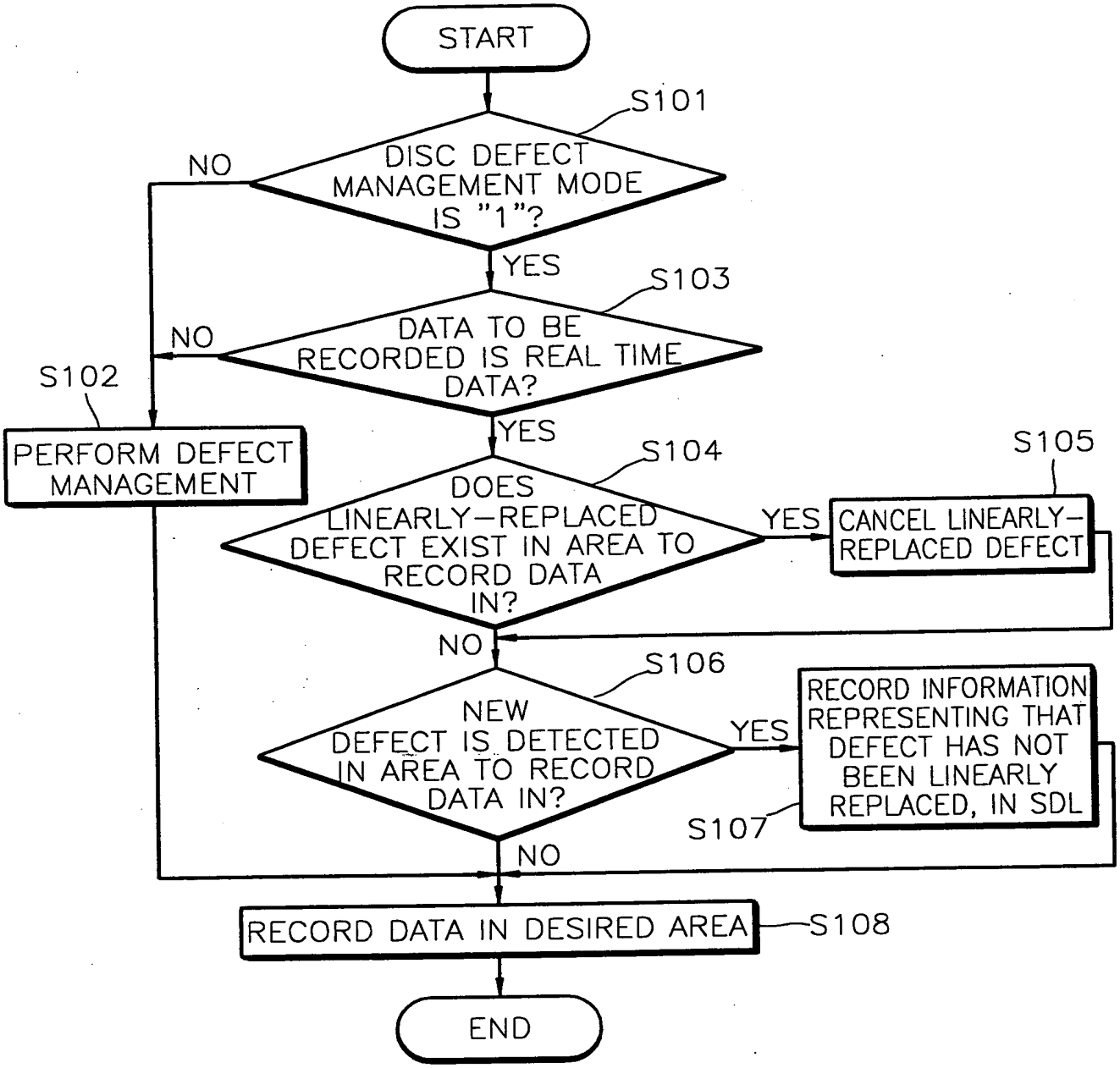

FIG. 10

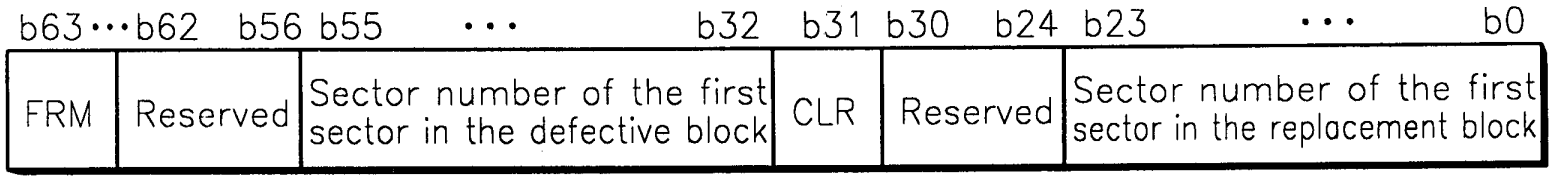

FIG. 11

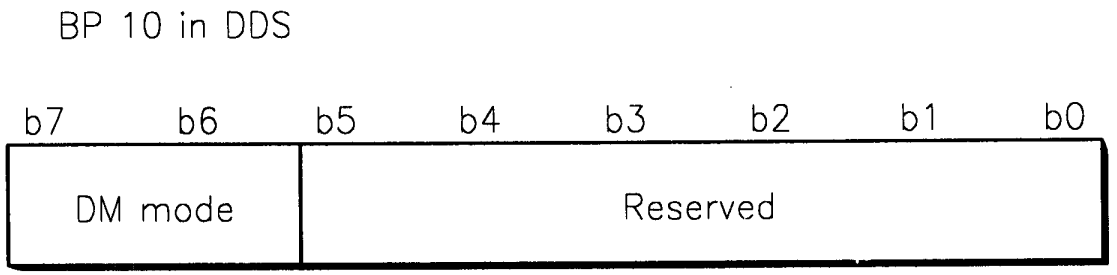

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FIG. 12

Zone	# of sect per rev	Start Sector Number (Hex)	Guard Area	# of Guard blk	Group No.	User Area		Spare area		Guard area	End sector number
						Sector number	# of blk	Sector number	#of blk		
0	25	31000	–	0	0	31000 – 398DF	2190	–	0	398E0 – 3991F	3991F
1	26	39DD0	39920 – 3995F	4	1	39960 – 4381F	2540	–	0	43820 – 4385F	4385F
2	27	441F0	43860 – 4389F	4	2	438A0 – 4DD7F	2638	–	0	4DD80 – 4DDBF	4DDBF
3	28	4EC60	4DDC0 – 4DDFF	4	3	4DE00 – 588FF	2736	–	0	58900 – 5893F	5893F
4	29	59D20	58940 – 5897F	4	4	58980 – 63A9F	2834	–	0	63AA0 – 63ADF	63ADF
5	30	65430	63AE0 – 63B1F	4	5	63B20 – 6F25F	2932	–	0	6F260 – 6F29F	6F29F
6	31	71190	6F2A0 – 6F2DF	4	6	6F2E0 – 7B03F	3030	–	0	7B040 – 7B07F	7B07F
7	32	7D540	7B080 – 7B0BF	4	7	7B0C0 – 8743F	3128	–	0	87440 – 8747F	8747F
8	33	59F40	87480 – 874CF	5	8	874D0 – 93E4F	3224	–	0	93E50 – 93E9F	93E9F
9	34	96F90	93EA0 – 93EEF	5	9	93EF0 – A0E8F	3322	–	0	A0E90 – A0EDF	A0EDF
10	35	A4630	A0EE0 – A0F2F	5	10	A0F30 – AE4EF	3420	–	0	AE4F0 – AE53F	AE53F
11	36	B2320	AE540 – AE58F	5	11	AE590 – BC16F	3518	–	0	BC170 – BC1BF	BC1BF
12	37	C0660	BC1C0 – BC20F	5	12	BC210 – CA40F	3616	–	0	CA410 – CA45F	CA45F
13	38	CEFF0	CA460 – CA4AF	5	13	CA4B0 – D8CCF	3714	–	0	D8CD0 – D8D1F	D8D1F
14	39	DDFD0	D8D20 – D8D6F	5	14	D8D70 – E7BAF	3812	–	0	E7BB0 – E7BFF	E7BFF
15	40	ED600	E7C00 – E7C4F	5	15	E7C50 – F70AF	3910	–	0	F70B0 – F70FF	F70FF
16	41	FD280	F7100 – F715F	6	16	F7160 – 106BBF	4006	–	0	106BC0 – 106C1F	106C1F
17	42	10D550	106C20 – 106C7F	6	17	106C80 – 116CFF	4104	–	0	116D00 – 116D5F	116D5F
18	43	11DE70	116D60 – 116DBF	6	18	116DC0 – 12745F	4202	–	0	127460 – 1274BF	1274BF
19	44	12EDE0	1274C0 – 12751F	6	19	127520 – 1381DF	4300	–	0	1381E0 – 13823F	13823F
20	45	1403A0	138240 – 13829F	6	20	1382A0 – 14957F	4398	–	0	149580 – 1495DF	1495DF
21	46	151FB0	1495E0 – 14963F	6	21	149640 – 15AF3F	4496	–	0	15AF40 – 15AF9F	15AF9F
22	47	164210	15AFA0 – 15AFFF	6	22	15B000 – 16CF1F	4594	–	0	16CF20 – 16CF7F	16CF7F
23	48	176AC0	16CF80 – 16CFDF	6	23	16CFE0 – 17F51F	4692	–	0	17F520 – 17F57F	17F57F
24	49	1899C0	17F580 – 17F5EF	7	24	17F5F0 – 19212F	4788	–	0	192130 – 19219F	19219F
25	50	19CF10	1921A0 – 19220F	7	25	192210 – 1A536F	4886	–	0	1A5370 – 1A53DF	1A53DF
26	51	1B0AB0	1A53E0 – 1A544F	7	26	1A5450 – 1B8BCF	4984	–	0	1B8BD0 – 1B8C3F	1B8C3F
27	52	1C4CA0	1B8C40 – 1B8CAF	7	27	1B8CB0 – 1CCA4F	5082	–	0	1CCA50 – 1CCABF	1CCABF
28	53	1D94E0	1CCAC0 – 1CCB2F	7	28	1CCB30 – 1E0EEF	5180	–	0	1E0EF0 – 1E0F5F	1E0F5F
29	54	1EE370	1E0F60 – 1E0FCF	7	29	1E0FD0 – 1F59AF	5278	–	0	1F59B0 – 1F5A1F	1F5A1F
30	55	203850	1F5A20 – 1F5A8F	7	30	1F5A90 – 20AA8F	5376	–	0	20AA90 – 20AAFF	20AAFF
31	56	219380	20AB00 – 20AB6F	7	31	20AB70 – 22018F	5474	–	0	220190 – 2201FF	2201FF
32	57	22F500	220200 – 22027F	8	32	220280 – 235E9F	5570	–	0	235EA0 – 235F1F	235F1F
33	58	245CD0	235F20 – 235F9F	8	33	235FA0 – 24C1DF	5668	–	0	24C1E0 – 24C25F	24C25F
34	59	25CAF0	24C260 – 24C2DF	8	34	24C2E0 – 26329F	5884	2632A0 – 26509F	480	–	26509F

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FIG. 13

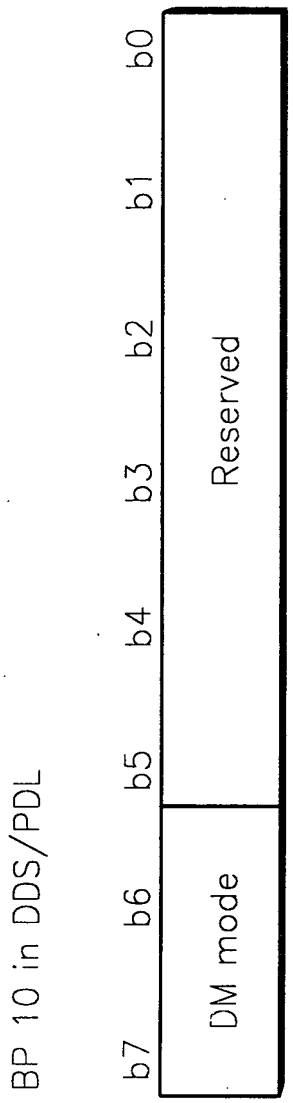
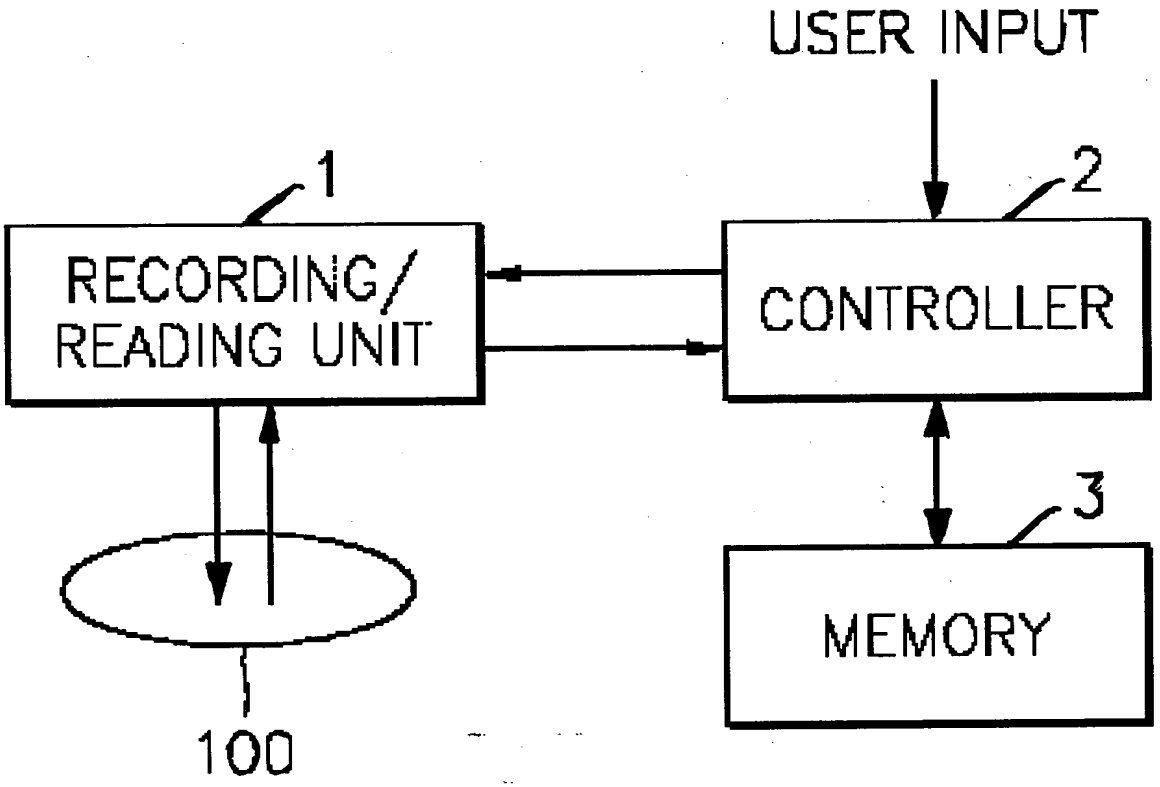
FIG. 14
(PRIOR ART)